



IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

**PATENT APPLICATION**

Inventor C. R. Doerr  
Case 58  
Serial No. 10/035,628 Group Art Unit 2874  
Filing Date Nov. 1, 2001  
Examiner Ellen E. Kim  
Title **Integrated Wavelength Router**

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

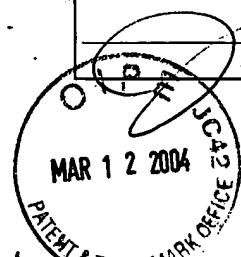
Amendment After Final

In response to the Final Office action of Dec. 17, 2003 please amend the claims as follows;

1. (Currently Amended) An integrated wavelength router comprising  
a demultiplexer arranged to couple individual wavelengths in an input optical WDM signal to N respective demultiplexer outputs,  
a binary tree including at least first and second stages of interconnected  $1 \times 2$  switches, each of the switches in said first stage arranged to couple one of said N outputs of said demultiplexer to inputs of at least two switches in said second stage,  
a plurality of K multiplexers arranged to combine the outputs from a plurality of switches in said second stage to form K outputs of said router, and  
further comprising a plurality of shutters disposed before the inputs of said multiplexers and operated in conjunction with the binary tree so as to dilate said router so that desired paths of

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I hereby certify that this correspondence is being deposited with the United States Post Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on March 9, 2004 by

John A. Caccuro



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**Dear Person:**

Enclosed is an Amendment After Final for the above-identified application.

**No additional fee is required.**

Respectfully,

John A. Caccuro, Attorney  
Reg. No. 28592

Date: March 9, 2004